

A 4
50. (New) The biopharmaceutical product cryopreservation system of claim 45, wherein the biopharmaceutical product cryopreservation system comprises more than one cryopreservation-vial.

REMARKS

Claims 1-40 were originally presented in the parent application. Claims 1, 11-13 and 27 have hereinabove been amended and claims 41-50 added to more particularly point out and distinctly claim the subject invention. Therefore, claims 1-50 remain in this case.

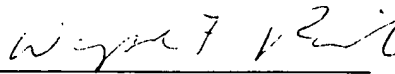
Support for the amendment to claims 1, 11-13, 27 and new claims 41-50 can be found throughout the specification and, therefore, no new matter has been added.

Applicants respectfully request substantive examination of claims 1-50.

Attached hereto is a marked up version of the changes made to the claims by the current amendment. The attached pages are captioned "Version with Markings to Show Changes Made."

CONCLUSION

If a telephone conference would be of assistance in advancing prosecution of the subject application, Applicants' undersigned attorney invites the Examiner to telephone him at the number provided.


Wayne F. Reinke
Attorney for Applicants
Registration No.: 36,650

Dated: March 07, 2002.

HESLIN & ROTHENBERG, P.C.
5 Columbia Circle
Albany, New York 12203-5160
Telephone: (518) 452-5600
Facsimile: (518) 452-5579

RECEIVED 031502

Version with Markings to Show Changes Made

Please amend claims 1, 11-12, 13 and 27 as follows:

1. (Amended) A biopharmaceutical product cryopreservation system, for cryopreserving a biopharmaceutical product, comprising:

a cryopreservation compartment;

a cryopreservation fluid located within the cryopreservation compartment; and

a biopharmaceutical product cryopreservation vial located within the cryopreservation compartment ~~and surrounded by the cryopreservation fluid~~, and

the biopharmaceutical product cryopreservation vial comprising a body that comprises an oblong cross-section defining proximal and distal ends of the body, and at least one nucleating structure, coupled to a at least one of the proximal and distal end ends of the body, the at least one nucleating structure contacting the cryopreservation fluid, and the body comprising a cryogenically stable material that is compatible with biopharmaceutical products.

11. (Amended) The biopharmaceutical product cryopreservation system of claim 10, wherein the cryopreservation fluid and the media absent the biopharmaceutical product are substantially identical in composition.

12. (Amended) The biopharmaceutical product cryopreservation system of claim 10, wherein a thermal conductivity and/or a specific heat of the cryopreservation vial walls are substantially similar to those of the media or the cryopreservation fluid.

13. (Amended) A method of cryopreserving biopharmaceutical products comprising

providing a cryopreservation compartment;

2057E0" SEE 6660

locating a biopharmaceutical product cryopreservation vial within the cryopreservation compartment, wherein the biopharmaceutical product cryopreservation vial comprises a body that comprises an oblong cross-section defining proximal and distal ends of the body, and at least one nucleating structure, coupled to a at least one of the proximal and distal ends of the body, and the body comprising a cryogenically stable material that is compatible with biopharmaceutical products;

locating a cryopreservation fluid in a space outside of the cryopreservation vial but within the cryopreservation compartment; and

removing heat from the cryopreservation compartment, thereby freezing the cryopreservation fluid.

27. (Amended) A biopharmaceutical product cryopreservation vial comprising:

a body that comprises an oblong cross-section defining proximal and distal ends of the body,

at least one nucleating structure, coupled to a at least one of the proximal and distal ends of the body, and

the body comprising a cryogenically stable material that is compatible with biopharmaceutical products.

2025-03-15 09:55:00